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APPLICATION NO.	FI	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/681,149 10/09/2003		10/09/2003	Sang-Don Jang	1572.1166 8823	
21171	7590	01/09/2006		EXAMINER	
STAAS & HALSEY LLP SUITE 700				NOVOSAD, JENNIFER ELEANORE	
	YORK AV	ENUE, N.W.	ART UNIT	PAPER NUMBER	
WASHING	TON, DC	20005	3634		

DATE MAILED: 01/09/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. 1 IN Operation to the mailing date of this communication. 1 IN Operation to the mailing date of this communication. 1 IN Operation to the mailing date of this communication. 1 IN Operation to the mailing date of this communication. 1 IN Operation to the mailing date of this communication. 1 IN Operation to the mailing date of this communication. 1 IN Operation to the mailing date of this communication. 1 IN Operation to the mailing date of this communication. 1 IN Operation to the mailing date of this communication. 1 IN Operation to the mailing date of this communication, even the more thankforth of this communication. 1 IN Operation to the mailing date of the communication, even the more thankforth. 2 In Operation the mailing date of the communication, even the more thankforth. 2 In Operation the mailing date of the communication, even the mailing date of this communication, even the more thankforth. 3 In Operation the mailing date of the communication, even the more thankforth. 3 In Operation the mailing date of the communication, even the more thankforth. 3 In Operation the mailing date of the communication, even the more thankforth. 3 In Operation the mailing date of the communication, even the more thankforth. 3 In Operation the mailing date of the communication, even the more thankforth. 4 In Operation the mailing date of the communication, even the more thankforth. 4 In Operation the mailing date of the communication, even the more thankforth. 4 In Operation the mailing date of the communication. 5 In Operation the mailing date of the communication. 5 In Operation the mailing date of the communication. 5 In Operation the mailing date of the communication. 5 In Operation the mailing date of the communication. 5 In Operation the mailing date of the priority documents have been received in Application No. 10/681.149. 5 In Operat		Application No.	Applicant(s)					
Jennifer E. Novosad 3534		10/681,149	JANG, SANG-DON					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address — Period for Repty A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extension of time rap be enabled under the provision of 3° CFR 1.13(b). In owner, however, way reply be timefy find the state of the communication of the provision of 3° CFR 1.13(b). In owner, because it way a reply be timefy find the state of the communication of the state of the communication, even if timely filed, may reduce any cannot planet the editorium. 1) Status 1) Status 1) Shore this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-32 is/are pending in the application. 4a) Of the above claim(s) 10-32 is/are withdrawn from consideration. 5) Claim(s) 1-32 is/are allowed. 6) Claim(s) 1-32 is/are allowed. 6) Claim(s) 1-32 is/are objected to. 8) Claim(s) 1-32 is/are objected to by the Examiner. 10) The drawing(s) filed on 09 October 2003 is/are: a) accepted or b) objected to by the Examiner. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on 09 October 2003 is/are: a) accepted or b) objected to by the Examiner. Application Papers 9) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 11) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Carified copies of the priority documents have been received in Application No. 10/681,149. 3. Copies of the certified copies o	Office Action Summary	Examiner	Art Unit					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. □ Exercisions of internary be available under the proteions of 37 CPR 1.13(6), in no event, however, may a reply be limitely filled. □ Experience of internary be available under the proteions of 37 CPR 1.13(6), in no event, however, may a reply be limitely filled. □ It NO period to may be specified above, the maximum existency protein will pay and well explicit (M) MONTHS from the realiting date of this communication. □ Fallus to reply within the set or extended period for reply will, by a tatute, cause the application to become ABANDONED (30 US C. 5, 133). Any reply module by the US of the other benefits after the mailing date of the communication, event filmely filled may rection a survey proteins any experience any experience any experience any experience any experience any experience and expe		Jennifer E. Novosad	3634					
WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of size may be evaluate under the provision of 3° CFR 1:38(a). In an event, however, may a reby be timely filled after SIX (8) MONTHS from the mailing date of this communication. SIX (8) MONTHS from the mailing date of this communication. The six (8) MONTHS from the mailing date of this communication. Six (8) MONTHS from the mailing date of this communication, which is provided by the Office liner than three months after the mailing date of this communication, even if threely filed, may reduce any earned patent term adjustment. See 3° CFR 1.794(b). Status 1) □ Responsive to communication (s) filed on 09 October 2003 and 24 October 2005. 2a) □ This action is FINAL. 2b) □ Claim(s) 1.32 is/are pending in the application. 4a) Of the above claim(s) 10-32 is/are withdrawn from consideration. 5□ □ Claim(s) 1.32 is/are allowed. 6□ □ Claim(s) 1.32 is/are allowed. 6□ □ Claim(s) 1.32 is/are allowed. 7) □ Claim(s) 1.32 is/are objected to. 8□ □ Claim(s) 1.32 is/are allowed. 7) □ Claim(s) 1.32 is/are allowed. 8pplication Papers 9□ □ The specification is objected to by the Examiner. 10) □ The drawing(s) filed on 09 October 2003 is/are: a) □ accepted or b) □ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) □ The eath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) □ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) □ Claim(s) □ Claim(s) □ Correction of the priority documents have been received in App	 The MAILING DATE of this communication app Period for Reply 	ears on the cover sheet with the c	orrespondence address					
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Application/Control Number: 10/681,149

Art Unit: 3634

DETAILED ACTION

Election/Restriction

Applicant's election without traverse of Group I, i.e., claims 1-9, in the reply filed on October 24, 2005 is acknowledged.

Thus, claims 10-32 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1, 3, 6, and 9 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1 is rendered indefinite by the recitations "support side edges" and "supporting a front edge" in lines 3 and 4, respectively. *In particular*, these *positive* recitations improperly seek to link positively recited structure, i.e., the supporters, to functionally recited structure, i.e., the edges of the glass. A functional recitation, such as --adapted to support--, should only be used when linking positive structure to functional structure. This rejection is also applicable to claim 3 (see lines 4 and 8).

Application/Control Number: 10/681,149

Art Unit: 3634

Claims 6 and 9 are rendered indefinite since applicant improperly seeks to further define a functionally recited element, i.e., the transfer device which has been functionally set forth in claims 4 and 7, respectively. *Thus*, the claims fails to further limit the positive claimed structure of the cassette therefore making it unclear as to what the metes and bounds of the claim are.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-9 are rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent No. 6,092,981 (Pfeiffer et al. '981).

Pfeiffer et al. '981 disclose a cassette (see Figures 9-11) comprising side frames (vertically extending elements in the left rear and right rear perspective in Figure 9), a rear frame (vertically extending element in the left front perspective) and a front frame (element 102 and the vertically extending element in the right front perspective) whereby each frame is cylindrical (at 62 in Figure 6) and each frame comprises a plurality of supporters (68 - see Figure 6) capable of supporting edges of a glass; the rear and front frames having a center supporter (66) disposed amid the plurality of supporters (68) whereby the center supporter (66) is longer (see Figure 6) than the rear and front supporters (68); the front frame (at 102) including an arm accommodator (hole therein) which allows a transfer device (120-130) to enter the cassette; and with respect to claims 5 and 8, the arm accommodator having a step shape (see bottom of Figure 9 which shows

Application/Control Number: 10/681,149

Art Unit: 3634

a notched side on the left and right sides thereof) - it is noted that the claims do not require that the step shape needs to accommodate the transfer device.

With respect to claims 6 and 9, it is noted that although Pfeiffer et al. '981 do not disclose the transfer device as being a robot arm, the transfer device is capable of being a robot arm. In view of the Section 112, 2nd paragraph rejection, advanced above, the claim is not positively requiring the transfer device. Thus, a reference need only be capable of being used with such an element in order to meet the language of the claim. Accordingly, Pfeiffer et al. '981 are considered to be capable of being used with a robot arm, thereby meeting the claimed language.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. U.S. Patent No. 4,872,554 shows a cassette having frames and supporters.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jennifer E. Novosad whose telephone number is 571-272-6832. The examiner can normally be reached on Monday-Thursday, 5:30am-4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard E. Chilcot can be reached on 571-272-6777. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 10/681,149 Page 5

Art Unit: 3634

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Jennifer E. Novosac Primary Examiner Art Unit 3634

January 5, 2006